

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the subject application.

1-32. (Cancelled)

33. (Currently Amended) A surgery system comprising:

a first medical device comprising a first connecting portion capable of detachably connecting a treatment equipment, the first medical device driving the treatment equipment connected to the first connecting portion, one treatment equipment selected among a plurality of types of treatment equipments having different functions being connected to the first connecting portion;

a first identification portion provided in the first medical device for identifying the type of the treatment equipment connected to the first connecting portion ~~in response to replacement of the treatment equipment connected to the first connecting portion~~;

a first switch connected to the first medical device for driving the treatment equipment connected to the first medical device;

a first medical device control portion provided in the first medical device, the first medical device control portion outputting identification information corresponding to the type of the treatment equipment identified by the first identification portion ~~when the treatment equipment connected to the first medical device is replaced~~, and outputting a first drive signal to drive the treatment equipment connected to the first medical device in response to the activation of the first switch;

a second medical device different from the first medical device;

a second switch connected to the second medical device for driving the second medical

device; and

a second medical device control portion provided in the second medical device, the second medical device control portion generating a second drive signal to drive the second medical device in response to the activation of the second switch, making permission/non-permission determination regarding whether or not the first medical device is to be synchronized with the second medical device in response to the identification information outputted from the first medical device control portion, and outputting the second drive signal to drive the second medical device in response to the activation of the first switch if it is judged that the first medical device is to be synchronized with the second medical device,

wherein the first medical device includes a first communication unit capable of transmission and reception with the second medical device, the first medical device transmits identification information, synchronization information, and driving information of the treatment equipment and receives the driving information of the second medical device, and the second medical device receives the identification information, the synchronization information, and the driving information of the treatment equipment from the first medical device and transmits the driving information when the second medical device is to be driven,

wherein when the second medical device has already been driven when identification information is received from the first medical device control portion, the second medical device control portion receives no driving information from the first medical device control portion and controls the second medical device to be driven independent of the first medical device, and

wherein when the second medical device is not driven when identification information is received from the first medical device control portion, the second medical device control portion receives driving information from the first medical device control portion and establishes

synchronized driving with respect to the first medical device or forbids driving of the second medical device.

34. (Previously Presented) A surgery system according to claim 33, wherein the first medical device control portion outputs the first drive signal in response to the activation of the first switch, and outputs the drive information of the first medical device to the second medical device control portion, and the second medical device control portion outputs the second drive signal to drive the second medical device in response to the drive information of the first medical device outputted from the first medical device control portion if it is judged that the second medical device is to be synchronized with the first medical device.

35. (Currently Amended) A surgery system according to claim 33, wherein the second medical device comprises:

a second connecting portion capable of detachably connecting a treatment equipment, the second medical device driving the treatment equipment connected to the second connecting portion, at least one treatment equipment selected among a plurality of types of treatment equipments having different functions being connected to the second connecting portion; and

a second identification portion for identifying the type of the treatment equipment connected to the second connecting portion ~~in response to replacement of the treatment equipment connected to the second medical device~~; and

wherein the second medical device control portion outputs identification information corresponding to the type of the treatment equipment identified by the second identification portion ~~when the treatment equipment connected to the second medical device is replaced~~, and outputs said second drive signal to drive the treatment equipment connected to the second medical device in response to the activation of the second switch, and the first medical device

control portion makes permission/non-permission determination regarding whether or not the first medical device is to be synchronized with the second medical device in response to the identification information outputted from the second medical device control portion, and outputs said first drive signal to drive the treatment equipment connected to the first medical device in response to the activation of the second switch if it is judged that the first medical device is to be synchronized with the second medical device,

wherein the second medical device includes a second communication unit capable of transmission and reception with medical device, the second medical device transmits identification information, synchronization information, and driving information of the treatment equipment and receives driving information of the first medical device, and the first medical device receives the identification information, the synchronization information and the driving information of the treatment equipment from the second medical device and transmits the driving information when the first medical device is to be driven,

wherein when the first medical device has already been driven when identification information is received from the second medical device control portion, the first medical device control portion receives no driving information from the second medical device control portion and controls the first medical device to be driven independent of the second medical device, and

wherein when the first medical device is not driven when identification information is received from the second medical device control portion, the first medical device control portion receives driving information from the second medical device control portion and establishes synchronized driving with respect to the second medical device or forbids driving of the first medical device.

36. (Previously Presented) A surgery system according to claim 34, wherein the first medical

device control portion outputs the drive information of the first medical device to the second medical device control portion with a predetermined interval, and the second medical device control portion determines that the second medical device is not to be synchronized with the first medical device if the drive information from the first medical device control portion is not received within a preset period of time.

37. (Previously Presented) A surgery system according to claim 34, wherein the first medical device control portion outputs the drive information of the first medical device to the second medical device control portion with a predetermined interval, and the second medical device control portion stops the driving of the second medical device if the drive information from the first medical device control portion is not received within a preset period of time.

38. (Previously Presented) A surgery system according to claim 34, wherein the drive information outputted by the first medical device to the second medical device is switching data indicating *ON/OFF* state of the first switch.

39. (Previously Presented) A surgery system according to claim 33, wherein the first medical device and the second medical device is either one of an electric scalpel device for supplying a high frequency current to the treatment equipment, an ultrasonic output unit for supplying an ultrasonic signal to the treatment equipment, a water-supply/suction device for supplying/sucking cleaning water and the like to/from the treatment equipment, and a pneumoperitoneum device for supplying air to the treatment equipment and venting air therefrom.

40. (Previously Presented) A surgery system according to claim 33, wherein the first medical device is an electric scalpel device, and the second medical device is an ultrasonic output unit.

41. (Withdrawn) A method of controlling a surgery system that includes a plurality of medical devices, each medical device adapted for the connection of treatment equipment, the method comprising:

receiving an input operating instruction from an operating switch;

transmitting driving information corresponding to the operating instruction to each of said medical devices;

generating a permission signal based upon at least one operating characteristic of each of the medical devices; and

driving treatment equipment connected to a medical device based upon the permission signal from each of the medical devices.

42. (Withdrawn) The method according to claim 41, wherein if the permission signal causes the treatment equipment to be driven, the method further comprises the steps of

transmitting a second permission signal to each of said other medical devices including synchronization information; and

confirming the second permission signal, by each other medical device.